

North Dakota State University
CARRINGTON RESEARCH EXTENSION CENTER
663 Highway 281 N
PO Box 219
Carrington ND 58421-0219

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Advanced Crop Advisers Workshop

Feb. 8-9, 2022

Holiday Inn
I-29 and 13th Avenue South
Fargo

Sponsored by



Audience

This is an advanced workshop for agricultural professionals, including crop consultants, agronomists, Extension agents and agribusiness representatives, who advise farmers with recommendations on crop production.

Agenda

Tuesday, Feb. 8

- 10:15 a.m. Registration (Atrium) and refreshments (Royale)
- 11 a.m. General Session: **Introduction** (Royale)
- 11:15 a.m. General Session:
2022 Cash Flow — Outlook for Farm Profitability, Managing the Unexpected — 2022 Farm Input Expenses and Marketing (Royale)
Betsy Jensen and Josh Tjosaas
This session will review 2022 projected farm profitability, 2022 projected cash flows and break-even for area crops. It will also cover managing for the unexpected as relates to 2022 farm input expenses and marketing.
(1 continuing education unit [CEU] - crop management)
- 12:15 p.m. **Lunch** (Royale)

Participants will be able to attend two of four concurrent sessions during the day.

- 1 p.m. **Concurrent Sessions:**
1. Carbon
2. 2021 Season
- 2:30 p.m. **Break and ND CCA-of-the-Year** (Royale)
- 3 p.m. **Concurrent Sessions:**
1. Soil Variability and Fertilizer Recs
2. Weeds
- 4:30 p.m. **Adjourn**

Wednesday, Feb. 9

- 7:45 a.m. Breakfast (Royale) and registration (Atrium)
- 8 a.m. General Session:
International Ag Experiences: What We Can Learn from Small Scale Tropical Farmers (Royale)
Hans Kandel
The presentation will highlight experiences via the USAID Farmer to Farmer program on three continents besides North America.
(0.5 CEU - professional improvement)

Participants will be able to attend one of three concurrent sessions during the day.

- 8:45 a.m. **Concurrent Sessions:**
1. Insects
2. Tiling
3. Weeds
- 10:15 a.m. **Break** (Royale)
- 10:30 a.m. General Session:
Input Limitations (Royale)
Dave Franzen, Andy Jung and Troy Saylor
Industry and university representatives will provide updates on fertilizer and pesticide product limitations and implications for the 2022 crop season.
(1 CEU - plant nutrition and 0.5 CEU - pest management)
- Noon **Workshop ends**

Concurrent Sessions

Tuesday, Feb. 8

- **Carbon Programs: The Wild West or a Promising Opportunity?**
(Executive and Board Room)
Anna Cates, Jodi DeJong-Hughes and Mark Lefebvre
UMN Extension and MN SWCD personnel come together to answer many of the questions we have regarding carbon programs, including: Is the science settled or is the “cart before the horse”? What are the pros and cons of different carbon sampling strategies? How do FSA and NRCS look at these programs?
(1.5 CEUs - soil and water management)
- **Conversations Recapping the 2021 Growing Season** (Directors and Conference Room)
Greg Endres, Chris Johnson, Kevin Thorsness and David Willis
All crop seasons are unique, especially 2021. Selected crop advisers will briefly share some of their unique crop experiences from the past year. The greatest value of the session will be the dialogue from audience interaction with the speakers.
(1 CEU - crop management and 0.5 CEU - pest management)
- **Soil Variability and Fertilizer Recommendations for 2022** (Executive and Board Room)
John Breker and Dave Franzen
Soils and crops exhibited tremendous variability in productivity during 2021. The discussion will review reasons for the variability and strategies for 2022 soil management and plant nutrition.
(1.5 CEUs - nutrient management)
- **Weed Management Challenges in 2022 Due to the 2021 Crop Season**
(Directors and Conference Room)
Joe Ikley and Bryan Young
North-central region and NDSU Extension weed specialists will partner to discuss the impact of the past crop season on weed management strategies for 2022. Subjects include reduced herbicide efficacy in 2021, herbicide carryover and use of less common herbicides in 2022.
(1.5 CEUs - pest management)

Wednesday, Feb. 9

- **Biology and Management of Economic Insect Pests with Fewer Tools In the Toolbox**
(Executive Room)
Anitha Chirumamilla and Ian MacRae
While soybean aphid populations densities have not reached treatment thresholds in northwest Minnesota and North Dakota in recent years, alfalfa weevil, spider mites, grasshoppers, diamondback moth, flea beetles, thistle caterpillars and green cloverworms have. A good understanding of pest identification, biology and treatment thresholds can give you a leg up with whatever pests pop up in 2022.
(1.5 CEUs - pest management)
- **Weed Management Challenges in 2022 Due to the 2021 Crop Season** (Board Room; repeated session from prior day)
Joe Ikley and Bryan Young
North-central region and NDSU Extension weed specialists will partner to discuss the impact of the past crop season on weed management strategies for 2022. Subjects include reduced herbicide efficacy in 2021, herbicide carryover and use of less common herbicides in 2022.
(1.5 CEUs - pest management)
- **Tile Drainage: When It Pays, Where and Which Crop Production Challenges It Can (and Can’t) Address** (Directors Room)
Hans Kandel, Lindsay Pease and Tom Scherer
NDSU and UMN Extension faculty will discuss under what circumstances the installation of pattern drainage tile trumps surface ditching, whether a whole-field or select-area approach to tile installation is best, whether pump stations make sense in areas that cannot be gravity drained and under what circumstances tiling is most likely to provide a return on investment.
(1.5 CEUs - soil and water management)

Preregistration

Preregistration (including fee payment) is required by Feb. 4. The workshop fee is \$140 per person (\$100 for one-day attendance). The workshop is limited to 150 people. Preregistrations will be accepted on a first-come, first-served basis. The event has filled before the preregistration deadline in recent years.
Walk-in registrations will not be accepted.

CEUs

Certified crop advisers will have the opportunity to receive 7.5 continuing education units by attending both days of the workshop.

Hotel

The following hotel is offering discounted room rates for workshop participants. If making a room reservation, identify yourself as an Advanced Crop Adviser Workshop participant. Holiday Inn: 877-282-2700 or 701-282-2700 www.fargohi.com

Workshop Instructors

John Breker	AGVISE, Northwood, N.D.
Anna Cates	UMN, St. Paul
Anitha Chirumamilla	NDSU, Langdon
Jodi DeJong-Hughes	UMN, Willmar
Greg Endres	NDSU, Carrington
Dave Franzen	NDSU, Fargo
Betsy Jensen	Northland Community & Technical College, Thief River Falls, Minn.
Chris Johnson	Centrol Crop Consulting, Horace, N.D.
Joe Ikley	NDSU, Fargo
Andy Jung	The Mosaic Company, Plymouth, Minn.
Hans Kandel	NDSU, Fargo
Mark Lefebvre	Stearns County SWCD, Waite Park, Minn.
Ian MacRae	UMN, Crookston
Lindsay Pease	UMN, Crookston
Troy Saylor	Bayer Crop Science, Bismarck, N.D.
Tom Scherer	NDSU, Fargo
Kevin Thorsness	Bayer Crop Science, Fargo
Josh Tjosaa	Northland Community and Technical College, Moorhead, Minn.
David Willis	Agassiz Crop Management, Thief River Falls, Minn.
Bryan Young	Purdue University, W. Lafayette, Indiana

Workshop Planning Committee

Greg Endres	701-652-2951
co-chair	NDSU Extension, Carrington, N.D.
Angie Peltier	218-281-8692
co-chair	University of Minnesota Extension, Crookston
Jerry Arneson	Bell Bank, Moorhead, Minn.
Darren Dunham	Centrol Crop Consulting, Maxbass, N.D.
Dave Franzen	NDSU, Fargo
Chris Johnson	Centrol Crop Consulting, Horace, N.D.
Tom Jones	Crop Consultant, Wyndmere, N.D.
Lindsey Lysne	Liberty Ag, Minnewaukan, N.D.
Evan Twedt	Dekalb/Asgrow, McHenry, N.D.
David Willis	Agassiz Crop Management, Thief River Falls, Minn.

Preregistration Form

Advanced Crop Advisers Workshop

Electronic registration and credit card payment can be submitted at

www.tinyurl.com/CRECstore
or
https://epayment.ndus.nodak.edu/C22800_ustores/web/store_main.jsp?STOREID=29&SINGLESTORE=true

(Please print or type)

Name(s) _____

Organization _____

Address _____

City _____

State _____ ZIP _____

Phone (_____) _____

Email _____

Fee: \$140 per person required by Feb. 4
Fee for one-day attendance is \$100.
If one day, indicate day of attendance:
Feb. 8 or Feb. 9

Please make check payable to:
Advanced Crop Advisers Workshop

Return form and fee to:
Advanced Crop Advisers Workshop
c/o Linda Schuster
Carrington Research Extension Center
P.O. Box 219
Carrington, ND 58421

Requests for accommodations related to disability should be made to Linda Schuster at 701-652-2951 by Jan. 10, 2022.